

## RAW SEQUENCE LISTING

DATE: 06/08/2001

PATENT APPLICATION: US/09/522,727B

TIME: 10:39:33

Input Set : A:\PTO.txt

Output Set: N:\CRF3\06082001\I522727B.raw

p.5

3 <110> APPLICANT: Marasco, Wayne  
 4 Mhashilkar, Abner  
 6 <120> TITLE OF INVENTION: INTRABODY-MEDIATED CONTROL OF IMMUNE REACTIONS  
 8 <130> FILE REFERENCE: 700157-47577C  
 10 <140> CURRENT APPLICATION NUMBER: 09/522,727B  
 11 <141> CURRENT FILING DATE: 2000-03-10  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US98/19563  
 14 <151> PRIOR FILING DATE: 1998-09-18  
 16 <150> PRIOR APPLICATION NUMBER: 60/059,339  
 17 <151> PRIOR FILING DATE: 1997-09-18  
 19 <160> NUMBER OF SEQ ID NOS: 55  
 21 <170> SOFTWARE: PatentIn version 3.0  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 15  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Homo sapiens  
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 31 1 5 10 15  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 15  
 35 <212> TYPE: PRT  
 36 <213> ORGANISM: Homo sapiens  
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 41 1 5 10 15  
 43 <210> SEQ ID NO: 3  
 44 <211> LENGTH: 14  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Homo sapiens  
 48 <400> SEQUENCE: 3  
 50 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Ser Thr  
 51 1 5 10  
 53 <210> SEQ ID NO: 4  
 54 <211> LENGTH: 15  
 55 <212> TYPE: PRT  
 56 <213> ORGANISM: Homo sapiens  
 58 <400> SEQUENCE: 4  
 60 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Ser Thr Gln  
 61 1 5 10 15  
 63 <210> SEQ ID NO: 5  
 64 <211> LENGTH: 14  
 65 <212> TYPE: PRT  
 66 <213> ORGANISM: Homo sapiens  
 68 <400> SEQUENCE: 5  
 70 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp  
 71 1 5 10

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73 <210> SEQ ID NO: 6
74 <211> LENGTH: 14
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 6
80 Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys Gly
81 1          5          10
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 15
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 7
90 Lys Glu Ser Gly Ser Val Ser Ser Glu Gln Leu Ala Gln Phe Arg
91 1          5          10          15
93 <210> SEQ ID NO: 8
94 <211> LENGTH: 16
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 8
100 Glu Ser Gly Ser Val Ser Ser Glu Glu Leu Ala Phe Arg Ser Leu Asp
101 1          5          10          15
103 <210> SEQ ID NO: 9
104 <211> LENGTH: 35
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 9
109 tttgcggccg ctcaggtgca rctgctcgag tcygg                      35
112 <210> SEQ ID NO: 10
113 <211> LENGTH: 66
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
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118 agatccgccg ccaccgtccc caccacctcc ggagccaccg ccacctgagg tgaccgtgac      60
120 crkggt                                           66
123 <210> SEQ ID NO: 11
124 <211> LENGTH: 69
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 11
129 ggtggcggtg gctccggagg tgggtgggagc ggtggcggcg gatctgagct cswgmtgacc      60
131 cagtctcca                                           69
134 <210> SEQ ID NO: 12
135 <211> LENGTH: 47
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 12
140 gggctctagac tcgaggatcc ttattaacgc gttggtgcag ccacagt                      47
143 <210> SEQ ID NO: 13
144 <211> LENGTH: 6

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145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 13
150 Ser Glu Lys Asp Glu Leu
151 1 5
153 <210> SEQ ID NO: 14
154 <211> LENGTH: 59
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 14
159 gggctctagac tcgaggatcc ttattacagc tcgtcctttt cgcttggtgc agccacagt 59
162 <210> SEQ ID NO: 15
163 <211> LENGTH: 24
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
167 <400> SEQUENCE: 15
168 ttaccatgg aacatctgtg gttc 24
171 <210> SEQ ID NO: 16
172 <211> LENGTH: 30
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 16
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181 <211> LENGTH: 4
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 17
187 Lys Asp Glu Leu
188 1
190 <210> SEQ ID NO: 18
191 <211> LENGTH: 4
192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 18
197 Asp Asp Glu Leu
198 1
200 <210> SEQ ID NO: 19
201 <211> LENGTH: 4
202 <212> TYPE: PRT
203 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 19
207 Asp Glu Glu Leu
208 1
210 <210> SEQ ID NO: 20
211 <211> LENGTH: 4
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 20

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Input Set : A:\PTO.txt

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217 Gln Glu Asp Leu
218 1
220 <210> SEQ ID NO: 21
221 <211> LENGTH: 4
222 <212> TYPE: PRT
223 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 21
227 Arg Asp Glu Leu
228 1
230 <210> SEQ ID NO: 22
231 <211> LENGTH: 7
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 22
237 Pro Lys Lys Lys Arg Lys Val
238 1 5
240 <210> SEQ ID NO: 23
241 <211> LENGTH: 7
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 23
247 Pro Gln Lys Lys Ile Lys Ser
248 1 5
250 <210> SEQ ID NO: 24
251 <211> LENGTH: 5
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 24
257 Gln Pro Lys Lys Pro
258 1 5
260 <210> SEQ ID NO: 25
261 <211> LENGTH: 12
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 25
267 Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala His Gln
268 1 5 10
270 <210> SEQ ID NO: 26
271 <211> LENGTH: 16
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 26
277 Arg Gln Ala Arg Arg Asn Arg Arg Arg Arg Trp Arg Glu Arg Gln Arg
278 1 5 10 15
280 <210> SEQ ID NO: 27
281 <211> LENGTH: 19
282 <212> TYPE: PRT
283 <213> ORGANISM: Homo sapiens
285 <400> SEQUENCE: 27

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Input Set : A:\PTO.txt

Output Set: N:\CRF3\06082001\I522727B.raw

287 Met Pro Leu Thr Arg Arg Arg Pro Ala Ala Ser Gln Ala Leu Ala Pro  
 288 1 5 10 15  
 290 Pro Thr Pro  
 293 <210> SEQ ID NO: 28  
 294 <211> LENGTH: 15  
 295 <212> TYPE: PRT  
 296 <213> ORGANISM: Homo sapiens  
 298 <400> SEQUENCE: 28  
 300 Met Asp Asp Gln Arg Asp Leu Ile Ser Asn Asn Glu Gln Leu Pro  
 301 1 5 10 15  
 303 <210> SEQ ID NO: 29  
 304 <211> LENGTH: 32  
 305 <212> TYPE: PRT  
 306 <213> ORGANISM: Homo sapiens  
 308 <220> FEATURE:  
 309 <221> NAME/KEY: UNSURE  
 310 <222> LOCATION: (7)(8)(32)  
 311 <223> OTHER INFORMATION: UNSURE  
 314 <400> SEQUENCE: 29  
 W-1> 316 Met Leu Phe Asn Leu Arg Xaa Xaa Leu Asn Asn Ala Ala Phe Arg His  
 317 1 5 10 15  
 W-1> 319 Gly His Asn Phe Met Val Arg Asn Phe Arg Cys Gly Gln Pro Leu Xaa  
 320 20 25 30  
 322 <210> SEQ ID NO: 30  
 323 <211> LENGTH: 8  
 324 <212> TYPE: PRT  
 325 <213> ORGANISM: Homo sapiens  
 327 <400> SEQUENCE: 30  
 329 Gly Cys Val Cys Ser Ser Asn Pro  
 330 1 5  
 332 <210> SEQ ID NO: 31  
 333 <211> LENGTH: 8  
 334 <212> TYPE: PRT  
 335 <213> ORGANISM: Homo sapiens  
 337 <400> SEQUENCE: 31  
 339 Gly Gln Thr Val Thr Thr Pro Leu  
 340 1 5  
 342 <210> SEQ ID NO: 32  
 343 <211> LENGTH: 8  
 344 <212> TYPE: PRT  
 345 <213> ORGANISM: Homo sapiens  
 347 <400> SEQUENCE: 32  
 349 Gly Gln Glu Leu Ser Gln His Glu  
 350 1 5  
 352 <210> SEQ ID NO: 33  
 353 <211> LENGTH: 8  
 354 <212> TYPE: PRT  
 355 <213> ORGANISM: Homo sapiens  
 357 <400> SEQUENCE: 33

**Please Note:**

Use of n and/ r Xaa hav been detected in the Sequence Listing. Please review the  
 Sequence Listing to ensure that a corresponding explanation is presented in the <220> to  
 <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

DATE: 06/08/2001

PATENT APPLICATION: US/09/522,727B

TIME: 10:39:40

Input Set : A:\PTO.txt

Output Set: N:\CRF3\06082001\I522727B.raw

L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:539 M:283 W: Missing Blank Line separator, <400> field identifier  
L:542 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:545 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:548 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:551 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:554 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:557 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:560 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:563 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:566 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:569 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:570 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:51  
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:571 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:51  
L:571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:572 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:578 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:581 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:584 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:587 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:590 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:593 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:51  
L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52  
L:671 M:283 W: Missing Blank Line separator, <400> field identifier  
L:675 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:678 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:681 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:684 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:687 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:690 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:693 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:696 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:699 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:702 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:705 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:708 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:711 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:714 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:717 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:720 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:723 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53  
L:726 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53